

## INTERNATIONAL SEARCH REPORT

 International Application No  
 PCT/JP2004/017318

 A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 C09G1/02 H01L21/321

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C09G H01L C09K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/068883 A (CABOT MICROELECTRONICS CORPORATION) 21 August 2003 (2003-08-21)  paragraph '0011! paragraph '0015! paragraph '0017! paragraph '0020! paragraph '0023! - paragraph '0029! paragraph '0033!  ----- -/--	1-5,7, 10,12, 13,16, 18,23-39

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&amp;\* document member of the same patent family

Date of the actual completion of the international search

18 February 2005

Date of mailing of the international search report

04/03/2005

Name and mailing address of the ISA

 European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Matthijssen, J-J

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/017318

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>EP 1 118 647 A (PRAXAIR S.T. TECHNOLOGY, INC) 25 July 2001 (2001-07-25)</p> <p>paragraph '0002!  paragraph '0016! - paragraph '0018!  paragraph '0021! - paragraph '0022!  paragraph '0033!</p> <p>-----</p>	<p>1-3,  7-15,  23-27,  29, 38</p>
X	<p>WO 02/067309 A (HITACHI CHEMICAL CO., LTD; MACHII, YUICHI; KOYAMA, NAUYUKI; NISHIYAMA) 29 August 2002 (2002-08-29)</p> <p>abstract  &amp; EP 1 369 906 A (HITACHI CHEMICAL COMPANY, LTD)  10 December 2003 (2003-12-10)  paragraph '0004!  paragraph '0029!  paragraph '0045!  paragraph '0049! - paragraph '0050!  paragraph '0052! - paragraph '0053!  paragraph '0057!  paragraph '0061!  paragraph '0068! - paragraph '0069!  paragraph '0075!  paragraph '0094!</p> <p>-----</p>	<p>1-8,  12-15,  20, 21,  23-31,  36-39</p>
A	<p>US 2002/095874 A1 (TSUCHIYA YASUAKI ET AL) 25 July 2002 (2002-07-25)  paragraph '0066!  paragraph '0070!  claims 1-4; example 14</p> <p>-----</p>	<p>1-39</p>

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/017318

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03068883	A	21-08-2003	US 6776810 B1	17-08-2004
			AU 2003216217 A1	04-09-2003
			EP 1483349 A1	08-12-2004
			WO 03068883 A1	21-08-2003
			US 2004229552 A1	18-11-2004
EP 1118647	A	25-07-2001	US 6299795 B1	09-10-2001
			US 6491837 B1	10-12-2002
			CN 1333317 A	30-01-2002
			EP 1118647 A1	25-07-2001
			JP 2001342456 A	14-12-2001
			SG 90227 A1	23-07-2002
WO 02067309	A	29-08-2002	CN 1457506 T	19-11-2003
			EP 1369906 A1	10-12-2003
			WO 02067309 A1	29-08-2002
			TW 571361 B	11-01-2004
			US 2004065022 A1	08-04-2004
EP 1369906	A	10-12-2003	EP 1369906 A1	10-12-2003
			US 2004065022 A1	08-04-2004
			CN 1457506 T	19-11-2003
			WO 02067309 A1	29-08-2002
			TW 571361 B	11-01-2004
US 2002095874	A1	25-07-2002	JP 2002164309 A	07-06-2002